



Ø BEAT

Sovin only had one copy.
for all of u.
C.M. Rose.

COLO. SPRINGS,
COLORADO

AUGUST 1968

RAIN OR SHINE---PPRAA PICNIC WILL BE HELD AUGUST 18 AT AUSTIN BLUFFS YOUTH CENTER

It will be Food, Fun and Frolic for PPRAA members and their families on Sunday, August 18, at the Austin Bluff Youth Camp---for that will be the day of the big annual PPRAA Picnic!!!

Since the site has shelter in case of rain, the picnic will be held whether the weather that day is a duplicate of the dry, sunny days we experienced in Colorado Springs in June or the "afternoon and evening thundershowers" that were in evidence most of July.

The gate to the area will be open at 10 a.m. and the "festivities" will last until the last person decides to "pull the big switch" and QRT.

Like last year's picnic in the same area, the food will be free---the only change this year is that people are asked to bring their own table service, to cut down on that much of last year's expense.

According to Rosemarie Lewis, WAØMNL, chairman of the picnic committee (picked because she did such a "bang up job" last year), "All PPRAA

(Continued on Page 4)

FILM, DISCUSSIONS TO BE FEATURES OF AUGUST 14 MEETING AT NAVAL RESERVE CENTER

A film on Communism and a business meeting during which several items of national interest to amateur radio operators will be discussed will be the features of the August PPRAA meeting, at the U. S. Naval Reserve Center, Lake and Logan Streets, Wednesday, August 14, starting at 8 p. m.

Among the matters to be discussed at the business meeting are two on which the ARRL has asked for comments.

One of these is a proposal on VHF Repeater regulation and operation which has been submitted to the FCC for consideration by a Buffalo, N. Y., amateur group. Rosemarie Lewis, PPRAA secretary, has sent for full information on the proposal and should have the information at the meeting.

The other is a consideration of the 1968 ARRL Board Meeting minute 11, which provides for a study of the feasibility of ARRL recommending limited segments in amateur bands for selected contest activities.

(Continued on Page 4)

ZERO BEAT

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the members of the Pikes Peak Radio Amateur
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The PPRAA meets the second Wednesday of each month in the U. S. Naval Reserve Training Center, Lake and Logan Streets., starting at 8 p.m. All radio amateurs and other interested persons are invited to attend.

COPY DEADLINE for SEPTEMBER ZERO BEAT will be August 28.

Editorial**A "BRIGHTER FUTURE"**

We believe that the PPRAA can look forward to a much wider scope of activities, now that the club has accepted the offer of the Colorado Springs U. S. Naval Reserve Training Center to use the facilities of the Center for meetings, code classes and other activities, including participation with the Naval Reserve personnel, Red Cross, Civil Defense and local police and fire departments in "disaster training" at the Center.

While the Red Cross Center provided a good place to hold our monthly meetings, the facilities offered at the Naval Reserve Training Center offer a much wider scope for PPRAA activities of every type.

We are most fortunate that these fine facilities have been offered for our use, especially with the "blessing" of the Red Cross. In addition to providing the PPRAA with the use of another station in addition to the one set up at the Red Cross Center---providing two stations for use in emergency or disaster communications work by the club; the extra facilities offered for the conduct of the code class, for various entertainment and training facilities for the meetings, plus the use of the equipment is "a dream come true."

BOARD OF DIRECTORS

Pres. - John Summers, WAØHHN
Vice Pres. - George Kowalski, WØGCH
Secty. - Rosemarie Lewis, WAØMNL
Treas. - Rudy Wroblewski, WAØPJG

-o-

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Harold Combs, WAØPNR
Ed Pompea, KØZPG

-o-

The PPRAA meets the second Wednesday of each month in the U. S. Naval Reserve Training Center, Lake and Logan Streets., starting at 8 p.m. All radio amateurs and other interested persons are invited to attend.

These PPRAA members who failed to attend the July 11 meeting at the Naval Reserve Center, really missed an opportunity to see a "wonderful setup" for our use. It would take up too much space to describe what is in store at the Center in the future for the PPRAA---you'll just have to come and "see for yourself."

The PPRAA owes a deep sense of gratitude to Commander Roden of the Center, to Chief Petty Officer Demario (better known as Pete Demario, KØUDG) and all the others who have made this excellent facility available to our club. It is up to each member of the club to help make full use of these facilities to properly express our gratitude.

Subsequent issues of Zero Beat will carry accounts of the plans for the PPRAA in this new facility. In the meantime, attend the August 14 and subsequent meetings to find out for yourself what is going on under the expanded PPRAA program possible with these new facilities.

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We'll be seeing you at the August 14 meeting at the Naval Reserve Center and/or the August 18 picnic at the Austin Bluffs Youth Camp. Better plan to attend both---you'll be sure to find both events well worth your time.

---Frank -- WØHWH

**R OSIE'S
E P O R T I N G S**
By Rosemarie Lewis
WAØMNL

John Summers, WAØHHN, and Wally Rowland, KØWMD, received Armed Forces Day certificates--anyone else?

-rr-

The Harlan Talleys---Sr., WAØJCS, and Jr., KØUIG (now going to school in Denver) also received some nice "certificates" during July---their Advanced Class tickets.

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Jim Castle, WØHJ, likes CW. Besides "on the air" copy he has a tape recorder in his car so that he can play tapes of codes, at say 60 wpm, as he drive to work from Castle Rock to Denver each day.

-rr-

Pete and Ida Demario, KØUDG, and WAØNTA, and Harold Combs, WAØPNR, all passed their Advanced tests in June, as did John Summers, WAØHHN. "Yours truly" didn't make it---just too dumb, I guess---but gave Eldon and I a chance to visit the Denver radio stores to pick up some "goodies" for the picnic. (With the managers' consent, of course).

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Here is the info on special calls: If you desire a special call, send \$20 to FCC, Gettysburg, Pa. If the call is available they will issue it to you. If it cannot be issued they DO NOT return the \$20.

-rr-

John Kester, KØSLN, has a camping trailer now. It's a dandy---only one thing missing, John---the rig and antenna.

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Steve Parker, WAØSIZ, will be out of town on vacation for a few weeks. Steve is looking for a SSB rig---preferably a SWAN 350. Anyone got anything of this nature for sale?

Annabell Meak, KØWZN, Palmer Lake, has a first. She is the first amateur to work all Colorado counties. Her son, Norman, KØNDP, spent some time at home on his way for an overseas tour of duty. While at home he turned Annabell's rig upside down, finding out what "made it tick" and tried to persuade everyone with whom he had a QSO they'd have to stand on their head to have a good QSO. He didn't say whether he was horizontal, vertical, or what.

-rr-

Linda, WAØMNM, and I attended the YL picnic at Palmer Lake. It was a FB meeting and the Colorado YLs have received many congratulatory letters --- from persons who attended the international convention in Denver in June, for which the gals were hostesses.

-rr-

Darrell Bell, WØLRA, asked me to use this means of telling the PPRAA members goodbye. Darrell has spent the last two and a half years in Colorado Springs on a field assignment for Martin-Co. and is being transferred back to his home office in Orlando, Fla. He will be working on the missile program there. He says it will be nice returning to his home, but he hates leaving as far as the club goes. He assumes he will get back his former call of K4LIV and wants everyone to listen for him.

-rr-

SILENT KEY

Victor Pitts, W5AOH, Raton, New Mexico, admired by many in this area and an old timer in radio. He used to transmit broadcast programs back in the days when this was permissible and there were not many broadcasting stations.

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"Nature has given man one tongue, but two ears, that we may hear twice as much as we speak."

---Diogenes Laertius

PPRAA PICNIC AUGUST 18

(Continued from Page 1)

members need to bring is their appetites, table service, sun lotion and perhaps a lawn chair so they can sit in comfort while watching the softball game from the shade of the trees.

"We hope to have a game or two, even some horseshoes."

Rosie and OM Eldon, WAØERA, did a lot of successful scurrying about the area and came up with a total of 23 prizes, worth approximately \$160, for the picnic. Tickets will be sold at the picnic and for each \$1.00 worth of regular (red) tickets purchased, an extra orange ticket will be given to the purchaser for the special ladies' drawings.

Prizes for the picnic and contributors ("all prizes were donated free of charge," states Rosie) are as follows:

Hy-Gain 6 meter beam--L. B. Walker Radio Co., Colo. Springs.

Cobar headrest speaker, mobile--CW Electronics, Denver.

Heathkit standing wave bridge--Heathkit Electronics Center, Denver.

Fiberglass spin rod--Cook Sporting Goods, Colo. Springs.

Nut drivers and Phillips 3-way--D&M Electronics, Colo. Springs.

Three SWR bridges--B&A Electronics, Denver.

Redeemable certificate--Lucas Sporting Goods, Colo. Springs.

Cash prize--Cablevision, Colo. Springs.

Fishing rod holder--Surplus City, Colo. Springs.

Two credit vouchers--W. R. L., Council Bluffs, Iowa.

Two silver teaspoon sets--Western Federal Savings, Colo. Springs.

Two silver trays--Silver State Savings & Loan, Colo. Springs.

Four technical data books--Electric Motor Co., Colo. Springs.

Those persons who plan to attend

and who have not been contacted by the time they receive Zero Beat, have been asked to phone Rosemarie Lewis, 632-5721, as soon as they receive Zero Beat.

So grab the family and "head for the hill"---Austin Bluffs, that is.

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MEETING

(Continued from Page 1)

According to Division Director Carl Smith: "The intent would be to voluntarily limit contest activities within some portion of both the phone and CW segments in order to reduce band congestion, rather than to propose a mandatory or regulatory limitation."

There will also probably be further information on the future expanded program of activities in our new "home" and a report on PPRAA participation in the Pikes Peak Marathon which took place Sunday, August 4.

All meetings of the PPRAA will be held at the Naval Reserve Center, located at the south end of Prospect Lake, from now on.

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TECHNICAL TIDBITS

By George Kowalski, WØGCH

A couple of new RCA transistors which look good, even at the price: 2N-5070 - 25 w. PEP minimum output at 28 volts to 30 mHz, about \$29. 2N5102 - 15w. minimum output at 28 volts to 150 mHz, about \$22.

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Quads vs. Yagis: Quads are better if you want multi band operation, high wind survival, and aren't particular how your antenna looks to the neighbors.

-tt-

Digital ICs--must reading for the serious experimenter--July QST, pages 17 and 22. The "Army" loop antenna marches on--see July QST, page 11.

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"Head for the hills"

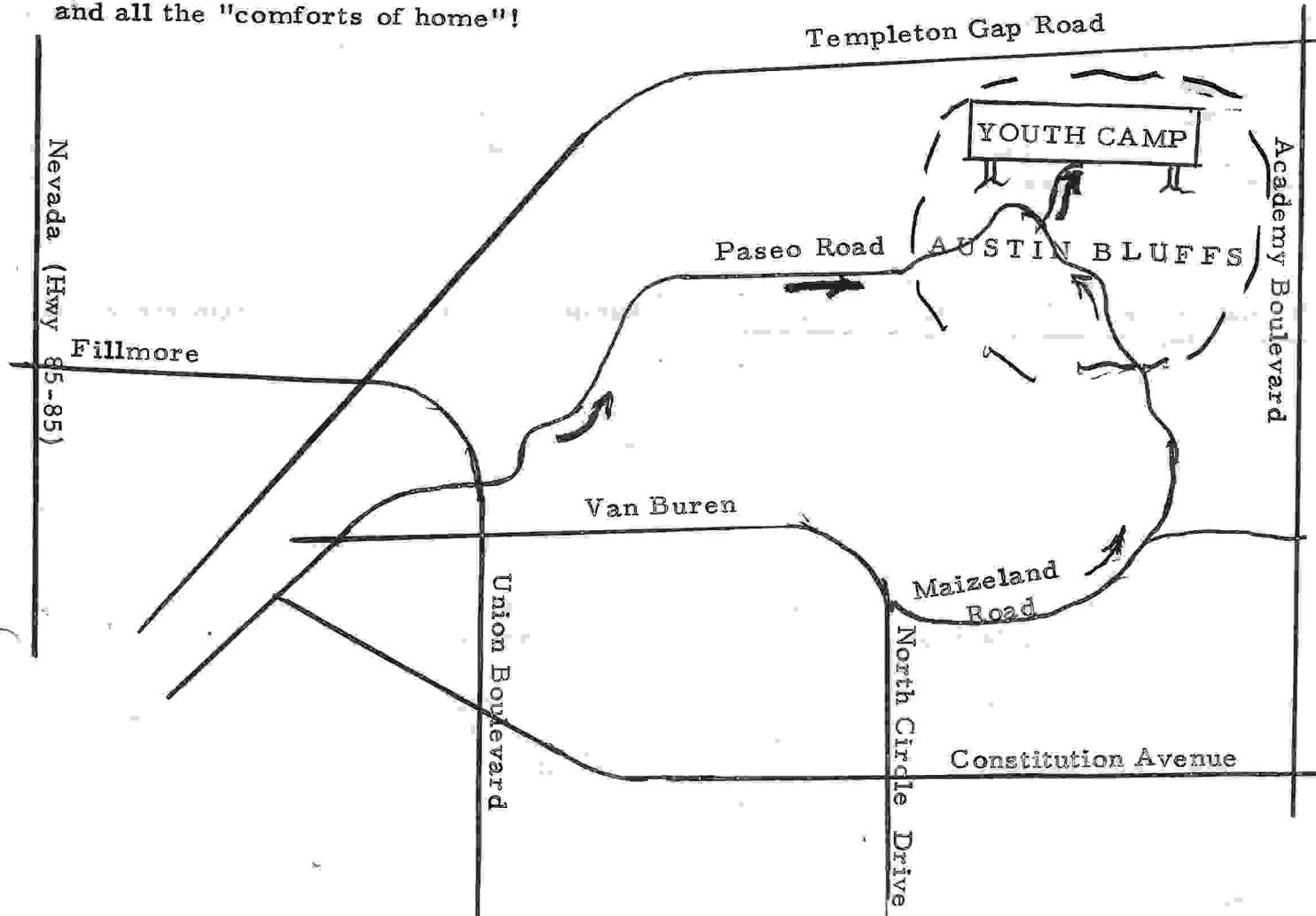
PPRAA PICNIC

SUNDAY AUGUST 18 10 a.m. until QRT!!

"Y'all come!"

Rain or shine!!

There's plenty of shelter
and all the "comforts of home"!



FOOD -- FUN -- FROLIC ! ! !
(Bring your appetites and own table service)

RENEW ACQUAINTANCES ! ! !
(Plenty of time for eyeball QSOs with the whole family)

ENTERTAINMENT ! ! !
(Softball, horseshoes--you name it)

EXCELLENT PRIZES ! ! !
(See the list on Page 4 of Zero Beat)

If you haven't been contacted - Phone Rosie Lewis, 632-5721 as soon as you get this

CHEYENNE CONVENTION 'WELL ORGANIZED' SAYS ROSIE

By Rosemarie Lewis, WAØMNL

Well, the 1968 ARRL Convention, held in Cheyenne, Wyo., June 29/30, may be a thing of the past but it will never be forgotten by many.

The Shy Wy club deserves much praise for the well organized convention. The committee has the thanks (I'm sure) of everyone who was there. A tremendous amount of work went into that convention.

Conventions are interesting and informative as well as a lot of fun from the time the first antenna is sighted, to call plates on cars, until the last goodbye is said. And The Hitching Post Inn parking lot looked like an antenna farm.

XYLs were much in evidence and were "well cared for" with a grand tour of the Governor's mansion, hosted by the governor's wife, Mrs. Hathaway, and the Mayor's wife, Mrs. Cox. The ladies were also treated to a fashion show.

Technical talks and MARS meetings were well attended. A joint Army, Navy and Air Force meeting was conducted by Mr. Ed Liscombe, Chief, MARS Army and Assistant Chief MARS Navy. At this meeting a film was presented which included a phone patch from Vietnam --- conducted by Air Force MARS stations--- showing both ends of the patch. Each MARS service had a meeting on Sunday morning. The Colo/Wyo MARS meeting was directed by Wally Rowland, KØWMD.

QSOs were enjoyed through the convention. It's an unpredictable thrill to hear a voice you've heard many times on the air and then to meet the voice in person. And some amateurs thought they were seeing double when two PPRAA members were together. (Yes, I have a double, Rosalie, from Berthoud.)

A total of 15 PPRAA members---from Pueblo, Peyton, Berthoud and Colorado Springs attended the convention.

John Summers, WAØHHN, and I entered the CW contest with big support from the rest of the gang. I think that our teacher, Wally, KØWMD, popped several buttons when we were still in there at 32 words a minute. The contest was won by Bob Howe, K7NHL, TWN net manager, from Phoenix, at 40 wpm. Giving him a final good run were two Jims---KØTRZ of Sterling and WØHJ of Castle Rock.

The Jaycees of Cheyenne served us a rootin' tootin' hot breakfast on a cool Sunday morning. Here again the excellent hospitality was noted.

The open forum and the SCM/SEC/-AREC ARPSC meeting were well attended with everyone who wished to get in a word, or even two.

From ARRL Headquarters were-- John Huntoon, W1LVQ, and George Hart, W1INJM. At the Division level were Director Carl Smith, WØBWJ, Denver, and Vice Director John Sampson, W7OCX, Utah--also SEC Chic Cotterell, WØSIN, and other dignitaries.

Bob Swanlund, WØWYX, was awarded the Colo. Section Pigeon Award.

During the open forum, a discussion was held regarding foreign broadcasts using amateur frequencies. Amateurs are needed for Intruder Watch to monitor and report when foreign broadcasters are heard on amateur bands. If there is no interference reported, they can claim they have not interfered.

PPRAA members took home many prizes. Winners were John, WAØHHN, and XYL Iris, Gerald Ozburn, WØARW, of Peyton, Linda, WAØMNM, and perhaps others I don't know about.

The top three prizes also went to PPRAA members---Linda, WAØMNM, got a phone patch, Eldon, WAØERA, got an all band antenna, and the grand prize, a Swan 500C went to nine year old David, the son

(Continued on following page).

CHEYENNE CONVENTION

(Continued from preceding page)

of "Sparky" Lee, WØANO, of Pueblo. (Bet I can guess who gets to use it--Editor)

A tour of WWV was conducted for those wishing to go through.

I'm sure I have missed some of the highlights. We all here at the ERA QTH enjoyed the convention. The convention was the greatest and I'm so glad so many of our members attended as the time spent with our own members was one of the highlights of the affair.

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TECHNICAL TIDBITS

(Continued from Page 4)

This shrinking world: Transistors reduced the size of electronic equipment about ten times and integrated circuits shrunk it another ten times and now large scale integration (LSI) promises another tenfold reduction.

Lunchbox KW transceivers, anyone?

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CODE/THEORY CLASSES MOVED TO NAVAL RESERVE CENTER

The PPRAA-sponsored code and theory classes, formerly held in the Civil Defense Center in the basement of the Colorado Springs Police Station, are now meeting at the U. S. Naval Reserve Training Center, Lake and Logan Streets, at the south end of Prospect Lake.

Classes start each Thursday evening at 7 p. m.

The facilities at the new location will enable each student to have a desk, complete with a typewriter, for copying code, and facilities are provided so that more than one code speed can be sent at one time to different desks, with no QRM from other desks.

Classes are being conducted by John Summers, WAØHHN, and Wally Rowland, KØWMD. Dean Jaynes, WAØPJH, brings his coffee pot from home and makes coffee for the class.

PPRAA SCORES BIG FOR 1968

FIELD DAY PARTICIPATION

The 1968 Field Day participation by the PPRAA was one of the best on record, according to the report of activities given at the July meeting by EC George Kowalski, WØGCH.

A total of 972 contacts was logged during the period by the three operating positions---one CW and two phone. This gained 6,900 points and with another 1,000 special points for the period, the PPRAA operators wound up with a total of 7,900 points.

A breakdown of contacts by operating position was as follows:

CW---171 on 20 meters and 24 on 15 meters.

SB 34 phone position---353 on 20 meters, 11 on 15 meters and 212 on 40 meters.

SWAN phone position---80 contacts on 20 meters and 113 on 15 meters.

George reported that only about 10 per cent were duplicates.

In recounting some of the "problems" for Field Day, George stated that log sheets for the period were ordered about a month prior to Field Day and arrived the day after Field Day finished.

He also stated that in checking the log sheets after the activities, to determine the final score for the period that Rosemarie Lewis, WAØMNL, had been voted "the most illegible logger."

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PLANNING 1969 CALL PLATES FOR YOUR CAR?

Your application must be mailed to the Motor Vehicle Division, 140 West 6th St., Denver, Colo. 80204, c/o Walter Cassell, on or before Sept. 15, 1968. Enclose fee of \$1 and a photo copy of your valid FCC license (if a valid copy is not already on file with the department). Your application will not be processed until such a copy is received and the ap-

(Continued on following page)

1969 CALL VEHICLE PLATES

(Continued from preceding page)

Application will be returned if fee is not enclosed or description of car given. Applicants must be owner or joint owner of the vehicle for which special call plates are issued. When your application has been processed and approved, the call letter license plates will be available through the county clerk's office in the county in which you reside. If you don't have 1968 call letter plates, it will be your responsibility to advise the county clerk or the Denver Motor Vehicle Dept. when making application for 1969 plates, either by mail or over the counter, that your application is for call letter plates, giving your call.

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FOR SALE OR TRADE--Fairchild digital IC's. Need TV antenna, 5 element--all channel.

George Kowalski, WØGCH, 596-0164.

PPRAA GETS OLD KW XMTR

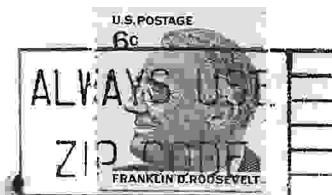
The PPRAA was the recipient in July of an old KW xmtr, formerly the property of Richard Green, KØTSK, who is now a student in the Pacific Northwest.

Considering the equipment too big to ship to his new QTH, Richard got in touch with Earl (Bud) Leonard, WØSWM, to determine who could use the equipment here. Bud, in turn, offered it to the PPRAA, which gladly accepted it.

After examination of the xmtr, it was decided that it could be rebuilt into a SSB linear amplifier and it was moved to the QTH of Wally Rowland, KØWMD, who is supervising the rebuilding.

Any PPRAA member who would be interested in assisting in the rebuilding has been invited to drop by Wally's QTH, 1612 Vista Place, to lend a hand. Also needed are sockets for 4-400s to be used for the amplifier. Can anyone supply these?

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